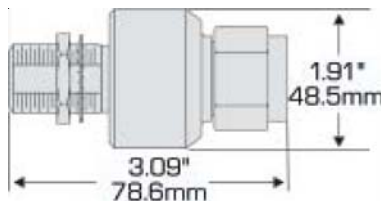


## Air Guard Series

The QWS/GT Series (Wideband Quarterwave Tubeless Stub) of surge protectors prevent surges and transient overvoltages. Utilizing an innovative “tubeless” design, these surge protectors deliver true W-I-D-E-B-A-N-D performance. These compact units have a high transient current capability with extremely low Passive Intermodulation (PIM). Typical applications for the QWS/GT includes the protection of cellular, PCS and even 3G frequencies. It is also ideal as a single stock item device that can be used in any system up to 2,200MHz with outstanding performance.

### Features

- Multi-application
- Low passive intermodulation (PIM)
- Weatherproof
- 120kA surge current rated
- .82 to 2.2GHz
- No discrete components to fail
- Nickel plated for corrosion resistance



### SPECIFICATIONS

Max. discharge current: 60kA (8/20 $\mu$ s)  
Max. power rating (VSWR): 1.15:1  
Frequency range: .82 to 2.2GHz  
Peak pulse current (8.20 $\mu$ s): 120kA  
Impedance: 50 $\Omega$   
RF power handling: To 3kW  
Passes DC: 15A<sub>dc</sub> up to 48V<sub>dc</sub>  
Low passive Intermod: -150 dBc P<sub>im</sub>  
(3rd order at 2x43 dBm tones)



Model	Mounting Connector	Second Connector	Impedance
AT51041	7/16 Female Bulkhead	7/16 Male	50 $\Omega$
AT51042	7/16 Female Bulkhead	7/16 Female	50 $\Omega$

### Optimum Performance Frequencies

Frequency (GHz)	VSWR	Insertion Loss (dB)	Protection Level Current
0.82 to 2.2	1.05:1 to 1.15:1	0.05 to 1.10	120kA

### Brackets

Model	Connectors	Diameter
AT51074	7/16 DIN	1.146"